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perience that they cannot resist the same portion of cold when in a debilitated as in a vigorous state, and are much more liable to be destroyed by moisture.

The mild weather which has prevailed to the present period, has retarded the decay and fall of the leaves; many of the common Ash trees yet remain green, the Sycamore is more than usually covered, some young ones are even green, as well as the young Beeches, so that if the present fine weather continues, the shoots may yet be well hardened, before the frosts can injure them.

Sept. 25, Changeable Starwort (*Aster mutabilis*) flowering. This flowered last year on the 17th.

October 1, Goldy Locks (*Chrysocoma Lynosinis*) flowering.

3, Wood Starwort (*Aster nemoralis*) flowering.

4, Saw a Rail (*Gallinula Crex. Lath*) this bird as well as the Cuckoo is supposed to migrate a short time after they quit calling, but it is not uncommon to find them among the stubbles in October, and I once met with one on the 4th of November, the strange notion of the change of this bird into the Water Rail (*Rallus Aquaticus*) is now almost exploded, and its migration allowed. It is, however, somewhat strange, if their vernal course from the Continent, is over Britain, that many more do not stop there, than is ever found in the most verdant districts; we are however, at a loss to determine whether this is their course, or if they fly direct for Ireland, from their winter retreat.

14, Saw a few common Swallows (*Hirundo rustica*)

16, Common Laurustinus (*Viburnum Tinus*) flowering: Common Wigeon (*Anas Penelepe*) for sale in Belfast market.

METEOROLOGICAL REPORT.

From September 20, till October 20

Those who attended to the weather of last season must find a remarkable difference; this season has been marked by a peculiar exemption from high winds, and scarcely a breeze was felt till the 22d of September, it has likewise been remarkable for the uncommon quantity of rain which fell throughout the Summer till the end of September, since which time more delightful weather has seldom been known.

Septem. 21,Dry.

22, 24, Showery.

25,Dry.

26,Dry day, wet stormy night.

27,Showery.

28, 30,Trifling Showers.

October 1,Slight misty rain.

2, 14,Fine dark weather.

15,A shower.

16, 18,Dark dry days.

19,Showers.

20,Slight showers scarcely perceptible.

The range of the Barometer during this period has been scarcely perceptible, it had been during the end of September 29.8, on the 29th it rose to 30, where it has continued since that time.

The thermometer on the mornings of September 24 and 29, was as low as 44°, the remainder of the time it has been remarkably high for the season, varying from 54 to 58, and on the morning of the 2d of October, it was as high as 60.

The mid-day heat was on the 2d of October, as high as 66°, on the 7th 65, and never so low as 51, except on the 12th, when it was at that temperature.

The wind during this period, has been S.W. 11, S.E. 7, N.W. 4, W. 1, E. 2.

CELESTIAL PHENOMENA.

FOR NOVEMBER, 1869.

On the 1st of this month the moon rises at 3 min. past 0 morning, and is seen during the morning before sun-rise to the west of the first star of the Lion. She culminates at 47 min. past 6, and sets at 15 min. past 2 P.M. At 9 she is 35° 11' from Pollux, and 75° 6' from the sun.

5th. She rises at 51 min. past 4 A.M. under the five stars in the Triangle; being soon after followed by Venus and the first of the Virgin. She passes our Meridian at 58 min. past 9 A.M. and sets at 49 past 3 P.M. At 9 she is 50° 6' from Regulus.

10th, She rises at 5 min. past 11 A. M. and is seen to the west of the twelfth star of the Archer, and of course the small stars in his head are to the east of her. She passes the Meridian and sets 15 min. past 7. At noon she is $69^{\circ} 13'$ from Femalhaut.

15th. She passes the Meridian at 21 min. past 7. being nearly in a line with the two western of the four stars in the Square and Femalhaut; she sets the next morning at 6 min. past 0. At 9 she is $53^{\circ} 51'$ from the first of the Ram.

20th. She passes the Merid. at 11 min. past 11 P. M. the three first stars of the Ram being above her to the west, and the Pleiades above her to the east of the Meridian. Directly above her is Menkar, with the three first stars of the Whale. At 9 she is $66^{\circ} 37'$ from the second of the Twins.

25th. She rises 43 min. past 7 P. M. to the east of the third of the Twins, and as she ascends will be perceived to be in a conspicuous situation between Orion and the two first of the Twins, and the two first of the Little Dog. At 9 she is $36^{\circ} 47'$ from Aldebaran.

30th. She rises at midnight, and may be observed under the body of the Lion.

Mercury is a morning star during this month, being at his inferior conjunction on the second, of course he cannot be seen till towards the middle of the month, at which time he will be easily seen in the south-east. The Moon passes him on the seventh.

Venus is a morning star, during the whole of this month. Her brilliancy united to that of Mercury, after the middle of the month, will adorn the eastern hemisphere, to the south of east south-east. The Moon passes her on the 5th.

Mars, is an evening star during this month, being on the meridian at 53 min. past 5, on the evening of the 1st. The moon passes him on the 11th.

Jupiter shines through the greater part of the night this month; his motion is retrograde through nearly $2\frac{1}{2}$ deg. The moon passes him on the 18th; Saturn is in conjunction with the Sun on the 28th, till which time he is evening star, so near however the horizon at Sun set, that few persons will observe him; the Moon passes him on the 9th.

Herschell is in his conjunction on the 2d. from which time he becomes a morning star, but too near the Sun for some time to be observed. The Moon passes him on the 6th.

ECLIPSES OF JUPITER'S SATELLITES.

1st SATELLITE.				2d SATELLITE.				3d SATELLITE.							
Emissions.				Emissions.											
DAYS.	H.	M.	S.	DAYS.	H.	M.	S.	DAYS.	H.	M.	S.	DAYS.	H.	M.	S.
1	17	54	34	2	5	23	26	4	20	16	29 Im.				
3	12	23	20	5	18	41	39	4	22	31	0 E.				
5	6	52	11	9	8	0	10	12	0	18	22 Im.				
7	1	20	58	12	21	18	26	12	2	31	55 E.				
8	19	49	49	16	10	36	51	19	4	20	25 Im.				
10	14	18	37	19	23	55	7	19	6	33	5 E.				
12	8	47	30	23	13	13	30	26	8	23	11 Im.				
14	3	16	19	27	2	31	47	26	10	35	3 E.				
15	21	45	14	30	15	50	7								
17	16	14	3												
19	10	42	58												

Look to the right hand.*

* First Satellite Continued.			
21	5	11	49
22	23	40	46
24	18	9	37
26	12	38	35
28	7	7	27
30	1	36	25

TO CORRESPONDENTS.

In this number we give the *Pocket Companion of the Royal Humane Society* in the form, in which it was originally intended to appear. A disappointment prevented its appearing properly in the last number.

The effusions of M.K. The Mother and Child by M.W. The Thunder Storm by Lydia, and the Song by the happy R.B. shall be returned, on application at the publishers.

Mr. Williams' paper arrived too late for insertion this month, but shall appear in our next; as shall The Tour to Mourne; The Dying Soldier; also Violet Lodge; and The Verses on Miss Newton, if the liberty of altering two defective lines is not objected to. The paper of Observations on the "Visit to England," and other articles are under consideration.